

REMARKS

The claims have been amended as indicated hereinafter. Claim 40 has been amended to be an independent claim for a gasoline additive concentrate composition comprising a solvent, an alkoxyated amine, a partial ester and a polymeric pour point depressant with claims 19, 33-38 and 41-42 depending directly or indirectly from claim 40. Claim 43 has been amended to be an independent claim for a gasoline additive concentrate composition comprising a solvent, an alkoxyated amine, a partial ester and mixtures of two or more nitrogen-containing detergents with claims 39 and 44-45 and new claim 46 depending directly or indirectly from claim 43. Independent claim 31 and claims 15 and 18, depending directly or indirectly from claim 31, have been canceled.

Support for amended claim 43 can be found on lines 27-31 of page 5, on lines 16-18 of page 6, on lines 19-21 of page 6, and from line 31 on page 6 to line 1 of page 7. Support for new claim 46 can be found in Example 2 of Table 1 on page 9 in which the detergents are a mixture of a Mannich reaction product and a polyetheramine.

Independent claim 31 and directly or indirectly dependent claims 15, 18, 33-39 and 43-45 were rejected under 35 U.S.C. 103(a) as being unpatentable for obviousness over Daly et al. (U.S. 6,224,642).

Independent claim 31 and dependent claims 15 and 18 have been canceled. The remaining dependent claims 33-39 and 43-45 have been amended or altered by amendment to depend from one of two new independent claims as indicated hereinafter.

It was indicated that claims 40-42, which had depended from rejected independent claim 31, would be allowable if rewritten in independent form to include all limitations from the dependency since the prior art of record does not disclose or suggest and teaches away from adding a pour point depressant to gasoline or to a composition for use in a gasoline.

Claim 40 has been rewritten as an independent claim that comprises a pour point depressant and the components and limitations of claim 31 from which it had depended. While claims 19, 41 and 42 continue to depend directly or indirectly

from now independent claim 40, claims 33-38 have been amended to depend from independent claim 40.

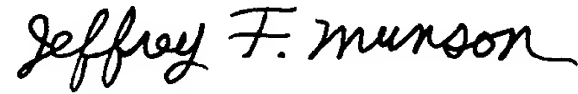
Claim 43, which had depended from rejected independent claim 31, has been rewritten as an independent claim which comprises the components and limitations of claim 31 and mixtures of 2 or more nitrogen-containing detergents selected from a polyetheramine, a hydrocarbon-substituted amine and a Mannich reaction product. Previous claims 39, 44 and 45 and new claim 46 depend directly or indirectly from now independent claim 43. Applicants submit that Daly et al. (U.S. 6,224,642) and the prior art of record do not disclose or suggest the significant improvement in reducing fuel consumption that results from a gasoline that contains an alkoxylated amine, partial ester and mixtures of two or more nitrogen-containing detergents selected from a polyetheramine, hydrocarbon-substituted amine and Mannich reaction product compared to a gasoline containing only an alkoxylated amine and partial ester. The data in Table 1 on page 9 demonstrate this significant improvement in reducing fuel consumption. The gasoline fuel composition in Example 2, which contains partial ester + alkoxylated amine + Mannich reaction product + polyetheramine, improves fuel economy by 9-fold from 0.3% to 2.69% in Stage 1 and by 2.6-fold from 0.58% to 1.52% in Stage 2 of the ASTM Sequence VI B Fuel Economy Test compared to the gasoline fuel composition of Example 1 which contains partial ester and alkoxylated amine but not the two nitrogen-containing detergents. In each example the Stage 1 and 2 fuel economy changes are in comparison to a gasoline baseline without additives.

From the foregoing amendments and remarks, it is submitted that the present claims are in condition for allowance and that the reply to this Office Action is fully responsive. An early and favorable reconsideration is respectfully requested. If the Examiner believes that only minor issues remain to be resolved, a telephone call to the undersigned is suggested.

Any deficiency or overpayment in fees for this application should be charged or credited to Deposit Account No. 12-2275 (The Lubrizol Corporation).

Respectfully submitted,

THE LUBRIZOL CORPORATION



Jeffrey F. Munson

Registration No. 45,705

29400 Lakeland Blvd.  
Wickliffe, OH 44092-2298  
Telephone No.: 440-347-5028  
Fax No.: 440-347-1110